

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**INFORMATION DISCLOSURE STATEMENT**

Atty. Docket No.  
**UBAT1300**



Applicants <b>Willian B. Dress Jr., et al.</b>	
Application Number <b>09/671,636</b>	Filed <b>September 27, 2000</b>
For <b>HYBRID SPREAD SPECTRUM TECHNIQUE FOR EXPANDING CHANNEL CAPACTIY</b>	
Group Art Unit <b>2634</b>	Examiner <b>Pathak, Sudhanshu C.</b>
Confirmation No. <b>5755</b>	

**Certificate of Mailing Under 37 C.F.R. 1.8**

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313 on November 14, 2005.

John J. Bruckner

Mail Stop Amendment  
Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Applicant respectfully requests, pursuant to 37 C.F.R. §§ 1.56, 1.97 and 1.98, that the reference(s) listed on the attached PTO/SB/08A and/or PTO/SB/08B forms be considered and cited in the examination of the above-identified application. Pursuant to 37 C.F.R. §§ 1.97(g) and (h), no representation is made that a search has been made or that this art is material to the patentability of the present application. Copies of the non-US patent references are enclosed.

This Information Disclosure Statement is being filed after mailing of a First Office Action. Applicant hereby requests consideration of this Information Disclosure Statement pursuant to 37 C.F.R. § 1.97(c)(2). A check in the amount of \$180 representing the fee set forth in 37 CFR § 1.17(p) is enclosed. While Applicants believe no (further) fees are due, if any (further) fees are due, the Commissioner is hereby authorized to charge any fees or credit any overpayments to Deposit Account No. 50-3204 of John Bruckner PC.

Dated: November 14, 2005  
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Respectfully submitted,  
**John Bruckner PC**  
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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				Application Number	09/671,636
				Filing Date	September 27, 2000
				First Named Inventor	William B. Dress Jr., et al.
				Group Art Unit	2634
				Examiner Name	Pathak, Sudhanshu C.
Sheet	1	of	1	Attorney Docket Number	UBAT1300

**U.S. PATENT DOCUMENTS**

Examiner Initials	Cite No.	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code (if known)		
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		4084137		04-11-1978	Walti
		4521878		06-04-1985	Toyonaga
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**FOREIGN PATENT DOCUMENT**

Examine r Initials	Cite No.	Country Code	Number	Kind Code (if known)	Publication Date MM-DD-YYYY (Number 43)	Name of Patentee or Applicant of Cited Document
		WO	00/11823		03-02-2000	Agee
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		WO	2005/025074		03-17-2005	Sibecas et al.
		EP	1128624		08-29-2001	Usevitch
		WO	01/01584		01-04-2001	Dent
Examiner Signature					Date Considered	



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				<b>Examiner Name</b>	<b>Pathak, Sudhanshu C.</b>
<b>Sheet</b>	<b>1</b>	<b>of</b>	<b>1</b>	<b>Attorney Docket Number</b>	<b>UBAT1300</b>
<b>OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS</b>					
<b>Examiner Initials</b>	<b>Cite No.</b>	<b>Include name of the author, title, source, volume, and page(s).</b>			<b>Date</b>
		<b>International Search Report &amp; Written Opinion of the International Searching Authority from PCT/US2004/040732</b>			<b>June 10, 2005</b>
		<b>International Search Report &amp; Written Opinion of the International Searching Authority from PCT/US2004/040754</b>			<b>May 10, 2005</b>
		<b>Ezlo Biglieri, "Digital modulation techniques" CRC Press LLC, chapter 20, paragraphs 20.1-20.7.</b>			<b>2002</b>
		<b>Benedetto et al., IEEE Engineers Sociedade Brasileira de Telecomunicacoes: "Polarization shift keying: an efficient coherent optical modulation" SBT/IEEE, pages 0014-0020.</b>			<b>Sep 3, 1990</b>
		<b>International Search Report &amp; Written Opinion of the International Searching Authority from PCT/US2004/040680</b>			<b>November 3, 2005</b>
		<b>Hara et al., "Overview of Multicarrier CDMA" IEEE Communications Magazine, IEEE Service Center, Piscataway, N.J., USA pages 126-133</b>			<b>December 1997</b>
		<b>Jong et al., "Performance Analysis of coded multicarrier spread-spectrum systems in the presence of multipath fading and nonlinearities", IEEE Transactions on Communications, Vol. 49, No. 1, pages 168-179.</b>			<b>January 2001</b>
		<b>Magill, "Multi-carrier modulated orthogonal code-division multiple access (MCM-OCDMA)" in K. Fazel and G.P. Fettweis (eds.) Multi-Carrier Spread-Spectrum, Kluwer Academic Publishers, pages 105-110.</b>			<b>1997</b>
		<b>Harada et al., "Performance analysis of a new multi-code and multi-carrier hybrid transmission scheme for future broadband mobile communication systems" in K. Fazel and G.P. Fettweis (eds.) Multi-Carrier Spread-Spectrum, Kluwer Academic Publishers, pages 41-48.</b>			<b>1997</b>
<b>Examiner Signature</b>					<b>Date Considered</b>